



AMD released the B450 chipset as a less pricey alternative to the X470 chipset. While AMD did not provide as

many features and hardcore performance levels in the B450 that the X470 gives, it is still not far behind. The X470 chipset is better for people looking to max out on the performance and get the most out of their setups. However, the B450 is not bad at all in performance. Although it does not quite match the X470 in sheer performance the B450 is at a significantly lower cost than the X470. Note: If you are going to use a Ryzen 5000 series processor, remember that you'll need to update the BIOS for B450 motherboards to work. Some boards have a button that you can use to flash the BIOS. Others require you to have a Ryzen 3000 or Ryzen 2000 processor. Some manufacturers might come out with revisions of these boards for Zen 3. Keep this in mind.

For gaming enthusiasts, the B450 will be a great pick. The B450 makes for an affordable chipset that is able to give out performance much higher than its price range. For low budget PC enthusiasts, this is a dream buy. Even if you are not on a tight budget, the money you save on this motherboard can be used to buy a better GPU or SSD. MSI is one of the biggest players in the motherboard category in the world. MSI has been making top-level motherboards for a long time now. As such it was no surprise that we find ourselves with an MSI motherboard to top the chart. The MSI B450 Gaming Pro Carbon AC is the [link1](#) motherboard at this time for a wide variety of reasons, Not the least of which is the number of features it gives at a relatively competitive price. Before we get down to brass tacks let us look over the layout of the B450 Pro Carbon AC. The B450 Gaming Pro Carbon AC has four DDR4 DIMM slots on the top right side. On the same side, there is the MSI Mystic Light RGB zone.

Coming downwards on the right-hand side we see the second Mystic Light RGB zone. A little down from the center we are greeted by the PCIe expansion slots. There are a total of two PCIe X16 slots and three PCIe X1 slots. This is lower than what we see in many motherboards these days. Three PCIe X16 slots have become pretty much standard nowadays. The USB ports offered on the back panel are also not the highest in number. There are 6 USB ports on the back panel, whereas we see many other b450 chipset motherboards providing more USB slots. All in all, we cannot begrudge MSI too much for not giving a ton of connectivity options as they have given some other features that are quite hard to match. The Pro Carbon AC has Bluetooth as well as WIFI connectivity. There is a ton of software for different purposes that can be used to get the best out of this motherboard. For example, there is software for cooling, software for performance, a rather in-depth software for RGB functions, and getting the RGB of different products in sync with each other. There is also a nice UEFI interface.

Overall, just a very comprehensive software and UEFI network to help improve user experience. As you know cooling is very important for a motherboard to perform at its finest. A good cooling system allows your motherboard to perform significantly better than a poor cooling system would. The [Additional hints](#) MSI B450 Pro Carbon AC has an effective cooling system with heatsinks, fans, and fan headers along with compatibility with water cooling, etc. Now we know this is a top-level motherboard. It is one of the best motherboards of its particular type, so you would expect a high price. The pricing is not the lowest, but it is definitely not high either. It is as a matter of fact very competitive in today's market. ASUS is pretty much a household name when it comes to computer hardware products, especially motherboards. ASUS makes a ton of different gaming and computer-related hardware items but it is clear where the real brilliance lies.

They have made some of the best and most iconic motherboards over the years. The ASUS ROG Strix B450 F attempts to reach the same level of brilliance as its predecessors. One noticeable thing about the ROG Strix B450 F is that there are more connectivity options on this board than the MSI Pro Carbon AC that has taken the number one spot on our list. One thing to like about the ASUS ROG Strix B450 F is the low amount of RGB. Most motherboards these days are flashy and bright with RGB. Not everyone is a fan of such bold and flashy lighting motherboards and may just want to keep a low-key and sleek setup. This board definitely keeps that in mind as the only RGB zone is on the rear USB panel shield in the ASUS logo. There is a light that can be turned on or off on the heatsink. RGB lovers rest assured, there are RGB headers that you can connect RGB strips to and sync with the famed ASUS Aura RGB. As far as looks go, this board gets a big plus in design and aesthetics.